

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	255	tubular near body with roller and flexible	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:49
L2	35	1 and collar and flanges	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:49
L3	194	roller near guide near tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:51
L4	972	roller\$1 near guide near (tube or cable of hose or pipe or conduit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:51
L5	39	4 and collar and flanges	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:52
L6	1000	roller\$1 near guide near (tub\$3 or cable or hose or pipe or conduit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:53
L7	206	6 and flanges	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:54

L8	42	6 and flanges and (collar or sleeve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:54
L9	8	6 and flanges and sweep	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:56
L10	6815	roller\$1 and ((tub\$3 or cable or hose or pipe or conduit)adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:57
L11	1970	roller\$1 with ((tub\$3 or cable or hose or pipe or conduit)adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:57
L12	3154	roller\$1 same ((tub\$3 or cable or hose or pipe or conduit)adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:57
L13	665	roller\$1 near ((tub\$3 or cable or hose or pipe or conduit)adj guide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:57
L14	29	13 and flanges and (collar or sleeve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:58
L15	8	13 and flanges and sweep	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 15:59

L16	6270	248/65 or 248/74.2 or 248/74.3 or 248/49 or 248/60 or 248/75 or 248/66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:14
L17	4639	138/109 or 138/118 or 138/120 or 138/121	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:15
L18	1950	254/134 or 254/134.3FT or 254/388 or 254/389 or 254/390 or 254/415	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:16
L19	12721	16 or 17 or 18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:16
L20	15	13 and 19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:16
L21	59	12 and 19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/22 16:19
S1	0	(275/420).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/15 16:13
S2	688	(285/420).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 15:02
S3	658	(248/74.3).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 15:02

S4	24	( "2338659"   "2338754"   "2399183"   "2416063"   "2790614"   "2995328"   "3144695"   "3169004"   "3269680"   "3595506"   "3758060"   "4441233"   "4490886"   "4561153"   "4570303"   "4588218"   "4614373"   "4705245"   "4944475"   "5131613"   "5524463"   "5669590"   "5713542"   "5816543").PN.	USPAT	OR	ON	2002/12/31 18:26
S5	34	( "2340713"   "2466912"   "2555073"   "2596403"   "3095663"   "3555719"   "3987574"   "4014128"   "4095364"   "4106811"   "4317262"   "4353182"   "4389034"   "4393998"   "4439896"   "4447934"   "4609171"   "4747490"   "4841660"   "4856221"   "4897952"   "5009376"   "5184794"   "5209009"   "5230489"   "5305542"   "5305978"   "5347746"   "5873522"   "5876003"   "5938023"   "6079674"   "6254042"   "6282756").PN.	USPAT	OR	ON	2002/12/31 18:28
S6	21	( "2396837"   "3606218"   "3684220"   "3684223"   "3913187"   "4260123"   "4442994"   "4775121"   "4783029"   "4784358"   "4903921"   "4930733"   "5020749"   "5054741"   "5230488"   "5277387"   "5305978"   "5344112"   "5613655"	USPAT	OR	ON	2002/12/31 18:29

		"5647563"   "5820048").PN.				
S7	11	("2371210"   "2994499"   "3341651"   "3471109"   "3515363"   "3684223"   "3807675"   "3954238"   "4148113"   "4260122"   "4260123").PN.	USPAT	OR	ON	2002/12/31 18:29
S8	15	"4442994".URPN.	USPAT	OR	ON	2002/12/31 18:30
S9	5	"2655703".URPN.	USPAT	OR	ON	2002/12/31 18:31
S10	5	"2655703".URPN.	USPAT	OR	ON	2002/12/31 18:32
S11	1	"2466921".URPN.	USPAT	OR	ON	2002/12/31 18:32
S12	1	"2409772".URPN.	USPAT	OR	ON	2002/12/31 18:33
S13	3	"2340713".URPN.	USPAT	OR	ON	2002/12/31 18:33
S14	12	("3521332"   "3894706"   "4244542"   "4358080"   "4386752"   "4541602"   "4550891"   "4864697"   "4961554"   "5035383"   "5257768"   "5263671").PN.	USPAT	OR	ON	2002/12/31 18:34
S15	12	"2790614".URPN.	USPAT	OR	ON	2002/12/31 18:36
S16	4	("3065941"   "3606218"   "3906592"   "4881705").PN.	USPAT	OR	ON	2002/12/31 18:37
S17	581	(248/62).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 18:48
S18	7	("D204884"   "3530899"   "3848897"   "4137602"   "4323088"   "4517408"   "4527140").PN.	USPAT	OR	ON	2002/12/31 18:43
S19	65	(248/547).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 18:52

S20	93	(248/609).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 18:53
S21	64	(248/687).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 18:54
S22	1064	(24/16pB).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 19:00
S23	754	(248/74.1).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 19:20
S24	360	(248/74.2).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2002/12/31 19:20
S25	3586	pipe adj clamp	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/02 10:19
S26	4	(pipe adj clamp) and convex and cushion	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/02 10:20
S27	0	(pipe adj clamp) and (inner adj cushion) with convex	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/02 10:21
S28	0	(pipe adj clamp) and (cushion with (convex adj surface))	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/02 10:22
S29	18	(pipe adj clamp) and (inner adj ring)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/02 10:25
S30	7	(pipe adj clamp) and (ring with convex)	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/02 10:26
S31	3586	pipe adj clamps	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/03 11:10
S32	53	(pipe adj clamps) and hinge and orientation	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/03 11:10
S33	9	("0381921"   "1843191"   "2790652"   "3011755"   "3489441"   "3734112"   "4067353"   "4391458"   "4411459").PN.	USPAT	OR	ON	2003/01/03 11:19
S34	0	"5368339".URPN.	USPAT	OR	ON	2003/01/03 11:20
S35	658	(248/74.3).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/03 11:26

S36	21	("2396837"   "3606218"   "3684220"   "3684223"   "3913187"   "4260123"   "4442994"   "4775121"   "4783029"   "4784358"   "4903921"   "4930733"   "5020749"   "5054741"   "5230488"   "5277387"   "5305978"   "5344112"   "5613655"   "5647563"   "5820048").PN.	USPAT	OR	ON	2003/01/03 11:24
S37	1	"6164604".URPN.	USPAT	OR	ON	2003/01/03 11:25
S38	16	("0682847"   "2310622"   "3144695"   "3376004"   "3719971"   "4264047"   "4478381"   "4775121"   "5113717"   "5390876"   "5494245"   "5653411"   "5820048"   "5906342"   "6142429"   "6164604").PN.	USPAT	OR	ON	2003/01/03 11:25
S39	21	("2396837"   "3606218"   "3684220"   "3684223"   "3913187"   "4260123"   "4442994"   "4775121"   "4783029"   "4784358"   "4903921"   "4930733"   "5020749"   "5054741"   "5230488"   "5277387"   "5305978"   "5344112"   "5613655"   "5647563"   "5820048").PN.	USPAT	OR	ON	2003/01/03 11:25
S40	11	("2371210"   "2994499"   "3341651"   "3471109"   "3515363"   "3684223"   "3807675"   "3954238"   "4148113"   "4260122"   "4260123").PN.	USPAT	OR	ON	2003/01/03 11:25

S41	15	"4260123".URPN.	USPAT	OR	ON	2003/01/03 11:25
S42	16	((248/74.3).CCLS.) and hinge and orientations	USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/03 11:26
S43	2	("5950970").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/23 20:16
S44	9	("2641808"   "4006874"   "4248459"   "4783038"   "4919370"   "4971272"   "5435506"   "5499790"   "5690322").PN.	USPAT	OR	ON	2003/03/23 20:11
S45	33	"4248459".URPN.	USPAT	OR	ON	2003/03/23 20:11
S46	2	"5950970".URPN.	USPAT	OR	ON	2003/03/23 20:11
S47	8	("4547164"   "5224427"   "5807007"   "5950970"   "5957416"   "6018847"   "6056085"   "6330861").PN.	USPAT	OR	ON	2003/03/23 20:11
S48	9	("2641808"   "4006874"   "4248459"   "4783038"   "4919370"   "4971272"   "5435506"   "5499790"   "5690322").PN.	USPAT	OR	ON	2003/03/23 20:13
S49	8	("0683312"   "0767893"   "1001069"   "2383692"   "2784987"   "3224800"   "4013310"   "4103941").PN.	USPAT	OR	ON	2003/03/23 20:13
S50	33	"4248459".URPN.	USPAT	OR	ON	2003/03/23 20:15
S51	383	(248/150).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/23 20:18
S52	58	(248/570).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/23 20:21
S53	411	(248/65).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/23 20:29



S54	9	("1255219"   "1873477"   "2651484"   "3000433"   "3298646"   "3941412"   "4004768"   "4146203"   "4744535").PN.	USPAT	OR	ON	2003/03/23 20:26
S55	9	("2466247"   "3122346"   "3185758"   "3203653"   "3530899"   "3933377"   "4113286"   "4121796"   "4267994").PN.	USPAT	OR	ON	2003/03/23 20:27
S56	589	(248/62).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/23 20:30
S57	14	("1315225"   "1333420"   "1846345"   "2355742"   "2683578"   "2876027"   "3385545"   "3458163"   "3747166"   "4059321"   "4259542"   "4715571"   "4819897"   "4967990").PN.	USPAT	OR	ON	2003/03/23 20:37
S58	12	"2355742".URPN.	USPAT	OR	ON	2003/03/23 20:39
S59	12	("1288515"   "1766254"   "2355742"   "2404531"   "3684220"   "3684223"   "3856246"   "4309007"   "4427171"   "4601447"   "4997148"   "5098047").PN.	USPAT	OR	ON	2003/03/23 20:42
S60	18	"2404531".URPN.	USPAT	OR	ON	2003/03/23 20:45
S61	6	"5261633".URPN.	USPAT	OR	ON	2003/03/23 20:45
S62	12	("2026260"   "3061253"   "3274654"   "3547386"   "3623687"   "5014941"   "5141187"   "5146667"   "5261633"   "5355557"   "5435507"   "5742982").PN.	USPAT	OR	ON	2003/03/23 20:47

S63	6	"5261633".URPN.	USPAT	OR	ON	2003/03/23 20:47
S64	1	"6135398".URPN.	USPAT	OR	ON	2003/03/23 20:47
S65	12	("2026260"   "3061253"   "3274654"   "3547386"   "3623687"   "5014941"   "5141187"   "5146667"   "5261633"   "5355557"   "5435507"   "5742982").PN.	USPAT	OR	ON	2003/03/23 20:47
S66	12	("1288515"   "1766254"   "2355742"   "2404531"   "3684220"   "3684223"   "3856246"   "4309007"   "4427171"   "4601447"   "4997148"   "5098047").PN.	USPAT	OR	ON	2003/03/23 20:47
S67	131	(248/87).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/24 13:51
S68	0	((248/87).CCLS.) and telescopic and ground	USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/24 13:52
S69	3	((248/87).CCLS.) and telescopi\$3 and ground	USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/24 13:57
S70	333	(239/276).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/24 13:58
S71	6	((239/276).CCLS.) and telescopi\$3 and ground	USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/24 14:03
S72	5	("3321619"   "0515625"   "1042750"   "1426815"   "1676813").PN.	USPAT	OR	ON	2003/03/24 14:00
S73	4	"515625".URPN.	USPAT	OR	ON	2003/03/24 14:01
S74	2	"3721516".URPN.	USPAT	OR	ON	2003/03/24 14:01
S75	2	("5203526").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/24 14:06

S76	7	("0750742"   "1831306"   "2846189"   "2865673"   "3445809"   "3488068"   "5090647").PN.	USPAT	OR	ON	2003/03/24 14:03
S77	8	("1468776"   "1675140"   "1914654"   "1940701"   "2865673"   "4246675"   "4305553"   "4586676").PN.	USPAT	OR	ON	2003/03/24 14:05
S78	0	((("5203526").PN.) and telescopi\$3	USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/24 14:06
S79	1	("2865673").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/03/24 14:06
S80	0	((("2865673").PN.) and telescopi\$3	USPAT; EPO; JPO; DERWENT	OR	ON	2003/03/24 14:06
S81	1273	(flexible adj conduit) and guid\$3 and roller	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:24
S82	0	(flexible adj conduit) and guid\$3 and roller and flexibe	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:24
S83	234	(flexible adj conduit) and guid\$3 and roller and collar	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:24
S84	0	((flexible adj conduit) and guid\$3 and roller and collar and flange) and "248"/\$.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:24
S85	161	(flexible adj conduit) and guid\$3 and roller and collar and flange	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:34
S86	141	(flexible adj conduit) with roller	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:34
S87	24	(flexible adj conduit) with roller and guiding	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:35
S88	1489	248/74.3	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:41
S89	0	248/74.3 and (guiding or rolling) and flexibe	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:42
S90	0	248/74.3 and roller and flexibe	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:42
S91	2850	((cable or hose) adj clamp) and (sleeve or collar)	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:47

S92	14	((cable or hose) adj clamp) and (sleeve or collar) and 248/62	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:51
S93	16	((cable or hose) adj clamp) and (sleeve or collar) and 248/68.1	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:54
S94	17	((cable or hose) adj clamp) and (sleeve or collar) and 248/74.1	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:57
S95	13	((cable or hose) adj clamp) and (sleeve or collar) and 248/74.2	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:58
S96	15	((cable or hose) adj clamp) and (sleeve or collar) and 248/74.3	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 16:59
S97	8	((cable or hose) adj clamp) and (sleeve or collar) and 248/74.4	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 17:00
S98	11	((cable or hose) adj clamp) and (sleeve or collar) and 248/49	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 17:02
S99	47	((cable or hose) adj clamp) and hanger and "248"/\$.ccls.	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 17:06
S100	1489	248/74.3	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 17:33
S101	9	("3893647"   "4305578"   "4460142"   "4669156"   "5020706"   "5172878"   "5340069"   "5645255"   "5704526").PN.	USPAT	OR	ON	2004/06/15 17:14
S102	2351	248/68.1	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 17:36
S103	267	(flexible adj (conduit or sleeve)) with roller	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 17:37
S104	2	("5007605").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/15 20:34
S105	9	("1255219"   "1873477"   "2651484"   "3000433"   "3298646"   "3941412"   "4004768"   "4146203"   "4744535").PN.	USPAT	OR	ON	2004/06/15 20:33
S106	12	"3941412".URPN.	USPAT	OR	ON	2004/06/15 20:33

S107	9	("1255219"   "1873477"   "2651484"   "3000433"   "3298646"   "3941412"   "4004768"   "4146203"   "4744535").PN.	USPAT	OR	ON	2004/06/15 20:33
S108	11	"5007605"	USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/15 20:34
S109	1	1991-015028.NRAN.	DERWENT	OR	OFF	2004/06/15 20:36
S110	2	(kris with hansen).inv.	USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/02 11:47
S111	25	("2310622"   "2408572"   "2409772"   "3815855"   "3848839"   "4011397"   "4128220"   "4248459"   "4260123"   "4300738"   "4442994"   "5007605"   "5261633"   "5377940"   "5739474"   "5873522"   "5950970"   "5961081"   "6032907"   "6073891"   "6135398"   "6164604").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 11:47
S112	6	("6164604").URPN.	USPAT	OR	ON	2005/05/02 11:48
S113	473	(flexible adj (conduit or hose)) with roller	USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/02 11:50
S114	10	(flexible adj (conduit or hose)) with roller and ((collar or sleeve) with flange)	USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/02 11:50
S115	13	("2345816"   "2629768"   "2694130"   "2770499"   "2926001"   "3370642"   "3690560").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 11:52
S116	3	("2694130").URPN.	USPAT	OR	ON	2005/05/02 11:56
S117	6	("4260119").URPN.	USPAT	OR	ON	2005/05/02 11:56

S118	19	("0306952"   "0307986"   "0743656"   "0928766"   "1805800"   "2650066"   "3201090"   "3306581"   "3858849"   "4134574"   "4260119").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 11:58
S119	2	("4529171").URPN.	USPAT	OR	ON	2005/05/02 11:59
S120	8	("2629768").URPN.	USPAT	OR	ON	2005/05/02 11:59
S121	18	("1735301"   "1865113"   "2629768"   "3104792"   "3244292"   "3853804"   "3863897"   "3871621"   "4228990"   "4423853"   "4447013"   "4685831"   "5324006").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:01
S122	11	("4447013").URPN.	USPAT	OR	ON	2005/05/02 12:03
S123	11	254/134R	USPAT	OR	ON	2005/05/02 12:09
S124	173	254/334	USPAT	OR	ON	2005/05/02 12:10
S125	0	S124 and ((strand or wire or hose) adj guide) and roller	USPAT	OR	ON	2005/05/02 12:11
S126	2381	((strand or wire or hose) adj guide) and roller	USPAT	OR	ON	2005/05/02 12:17
S127	267	((strand or wire or hose) adj guide) and roller and (sleeve or collar) and flange	USPAT	OR	ON	2005/05/02 12:12
S128	84	((strand or wire or hose) adj guide) and roller and (sleeve or collar) and flange and pulling	USPAT	OR	ON	2005/05/02 12:14
S129	0	254/337 and ((strand or wire or hose) adj guide) and roller and (sleeve or collar) and flange and pulling	USPAT	OR	ON	2005/05/02 12:14
S130	0	254/337 and ((strand or wire or hose) adj guide) and roller	USPAT	OR	ON	2005/05/02 12:15

S131	89	254/337	USPAT	OR	ON	2005/05/02 12:16
S132	60	254/280	USPAT	OR	ON	2005/05/02 12:16
S133	33	((strand or wire or hose or cable) adj guide) and roller and "248"/\$.ccls.	USPAT	OR	ON	2005/05/02 12:17
S134	14	("3006663"   "3711633"   "4248459"   "4417755"   "4443031"   "4470622"   "4564163"   "4779828"   "5390876"   "6085795"   "6105216"   "6367849"   "6398170").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:25
S135	1357	285/319	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:25
S136	29	285/319 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:27
S137	24	285/419 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:29
S138	16	174/49 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:31
S139	7	174/65G and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:42
S140	34	242/397 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:44
S141	27	242/397.1 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:45
S142	34	242/397.5 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:46
S143	73	242/129.5 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:47
S144	57	242/151 and roller	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:48
S145	4	("4066093"   "4199837"   "4259066"   "4446591").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:49
S146	12	("2261325"   "2545063"   "3391875"   "3427719"   "3550828"   "3722095"   "4052022").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:51
S147	2	("4259066").URPN.	USPAT	OR	ON	2005/05/02 12:54

S148	4	("4066093"   "4199837"   "4259066"   "4446591").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/02 12:55
S149	4	("4446591").URPN.	USPAT	OR	ON	2005/05/02 12:55
S150	3	("5577772").URPN.	USPAT	OR	ON	2005/05/02 12:57
S151	0	("6792646").URPN.	USPAT	OR	ON	2005/05/02 12:57
S152	2	("5577772").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/02 14:28
S153	2	("5007605").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/19 16:40
S154	14	("1255219"   "1873477"   "2651484"   "3000433"   "3298646"   "3941412"   "4004768"   "4146203"   "4744535").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 16:40
S155	24	("1405052"   "1632952"   "2676834"   "3165286"   "3425737").PN. OR ("3941412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 16:42
S156	1	("2676834").URPN.	USPAT	OR	ON	2008/12/19 16:45
S157	24	("1405052"   "1632952"   "2676834"   "3165286"   "3425737").PN. OR ("3941412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 16:45
S158	15	("2663894"   "2748236"   "3941412"   "4002357"   "4019219"   "4158462"   "4199837"   "4366594"   "4541327"   "4669145"   "4995138").PN. OR ("5181294").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 16:45
S159	24	("1405052"   "1632952"   "2676834"   "3165286"   "3425737").PN. OR ("3941412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 16:52



S160	103952	(cable or conduit or tube or hose or pipe) near guid\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 16:53
S161	1	(cable or conduit or tube or hose or pipe) near guid\$3 near (collar with flanges)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 16:54
S162	554	(cable or conduit or tube or hose or pipe) near guid\$3 and (collar with flanges) and (flexible or bendable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 16:55
S163	150	(cable or conduit or tube or hose or pipe) near guid\$3 and (collar with flanges) same (flexible or bendable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 16:55
S164	36629	(cable or conduit or tube or hose or pipe) with (guid\$3 or split ) and (collar or flanges) and (flexible or bendable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:06
S165	5538	(cable or conduit or tube or hose or pipe) with (guid\$3 or split ) with (collar or flanges) and (flexible or bendable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:06
S166	811	(cable or conduit or tube or hose or pipe) with (guid\$3 or split ) with (collar or flanges) with(flexible or bendable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:06
S167	14	S166 and sweep	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:07

S168	1259	(cable or conduit or tube or hose or pipe) with (guid\$3 or split or support )with (collar or flanges) with rollers	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:08
S169	24	(cable or conduit or tube or hose or pipe) with (guid\$3 or split or support )with (collar or flanges) with rollers with bend\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:08
S170	4563	248/68.1 or 248/69 or 248/74.1 or 248/74.2 or 248/74.3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:10
S171	1	S168 and S170	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:10
S172	69	("0000854"   "0479423"   "0855903"   "0872480"   "1245231"   "1521679"   "1550614"   "1565195"   "1652695"   "2391240"   "2391272"   "2470991"   "2532504"   "2675201"   "2678786"   "3026668"   "3045975"   "3053368"   "3094833"   "3098638"   "3249337"   "3507457"   "3719348"   "3792821"   "3872680"   "3897914"   "3912225"   "3966132"   "3984732"   "4012003"   "4050561"   "4074871"   "4202509"   "4296917"   "4345678"   "4537106"   "4545548"   "4549723"   "4934617"   "5031847"   "5167399"   "5275349"   "5457520"	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 17:11

		"5595363"   "D283171").PN. OR ("6109561").URPN.				
S173	23	"5457520"	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 17:17
S174	18	"3941412"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:26
S175	17	"6595473"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:27
S176	0	"22050247826"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:37
S177	2	"20050247826"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:37
S178	1	2003-150397.NRAN.	DERWENT	OR	ON	2008/12/19 17:38
S179	62	"4248459"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:40
S180	12	S168 and grommet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:52
S181	0	S168 and 248/74.3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:54

S182	1367	248/74.3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:54
S183	0	S182 near (cable or conduit or tubular or pipe) near (support and collar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:55
S184	0	S182 near (cable or conduit or tubular or pipe) and collar and flanges	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:55
S185	24	S182 and (cable or conduit or tubular or pipe) and collar and flanges	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/19 17:55
S186	8	"6467734"	USPAT; EPO; JPO; DERWENT	OR	ON	2008/12/19 22:28
S187	6	("2372674"   "5419519"   "6049040"   "6467734"   "6747208").PN. OR ("6834900").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 22:30
S188	7	("2372674").URPN.	USPAT	OR	ON	2008/12/19 22:32
S189	36	("0851375"   "1156145"   "20020074462"   "20040143897"   "20070001080"   "2133020"   "2139742"   "2147124"   "2153290"   "2216149"   "2372674"   "2687329"   "2943833"   "3753292"   "3897923"   "4151864"   "4249529"   "4372511"   "4433821"   "4550892"   "5678609"   "5939680"   "6059215"   "6467734"   "6959139"   "7090154").PN. OR	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 22:33

		("7389961").URPN.				
S190	10	("1156145").URPN.	USPAT	OR	ON	2008/12/19 22:40
S191	29	("0124897"   "0644858"   "0955342"   "0976987"   "1156145"   "1668953"   "1975045"   "2147124"   "2216149"   "2769999"   "3790418"   "3853148"   "3955599"   "4151864"   "4320783").PN. OR ("4889168").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 22:41
S192	22	("1156145"   "3810490"   "3860978").PN. OR ("4151864").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 22:41
S193	38	("3234969"   "3675448"   "3760430"   "3838713"   "3847184"   "3908704"   "3929165"   "4028746"   "4081190"   "4133347"   "4151864"   "4223702"   "4643229"   "4773458"   "4846510"   "4852564"   "4921147"   "4927191"   "4949556"   "5023959"   "5038586").PN. OR ("5311753").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 22:46
S194	22	("1156145"   "3810490"   "3860978").PN. OR ("4151864").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/19 22:51

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